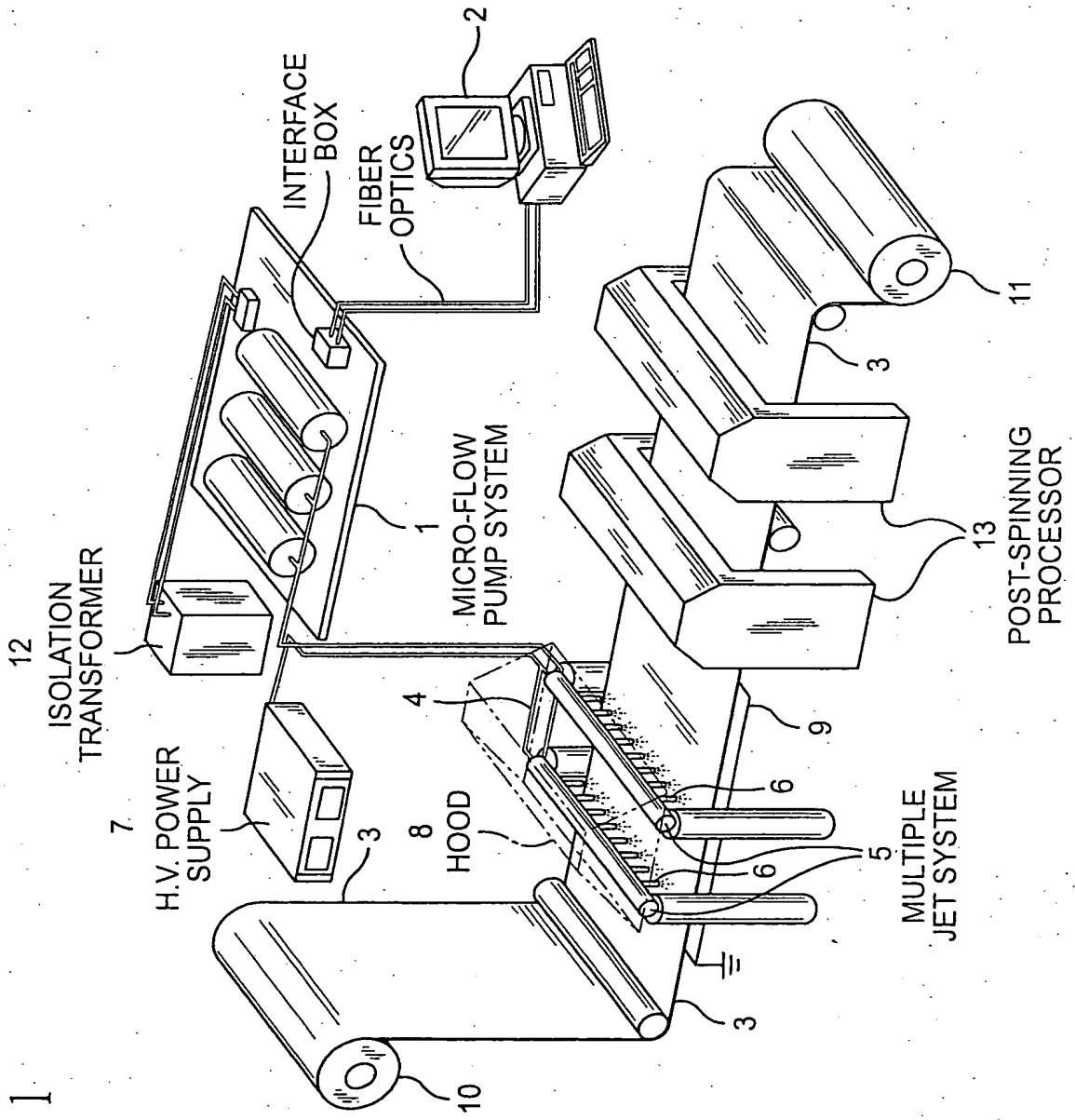

2
INTERFACE BOX
FIBER OPTICS
1
MICRO-FLOW PUMP SYSTEM
12
ISOLATION TRANSFORMER
7
H.V. POWER SUPPLY
3
8
HOOD
4
6
5
MULTIPLE JET SYSTEM
9
13
POST-SPINNING PROCESSOR
11
10

FIG. 1

FIG. 2 (a)

FIG. 2C

FIG. 2 (b)

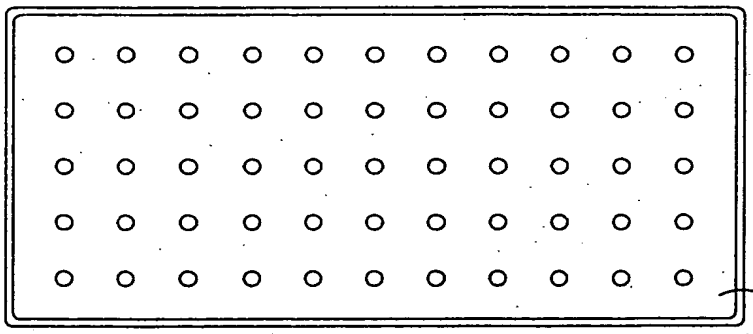


FIG. 2 (c)

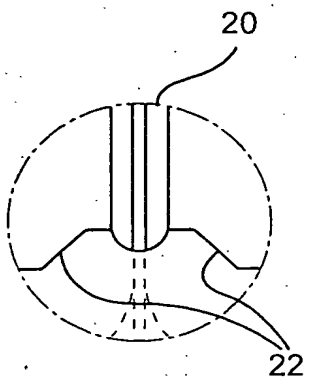


FIG. 3 (a)

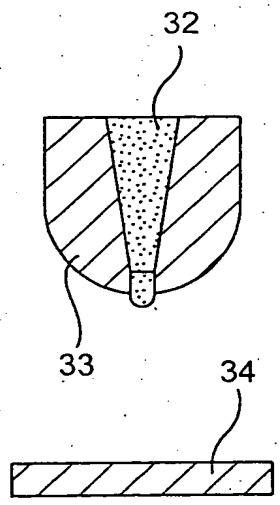


FIG. 3 (b)

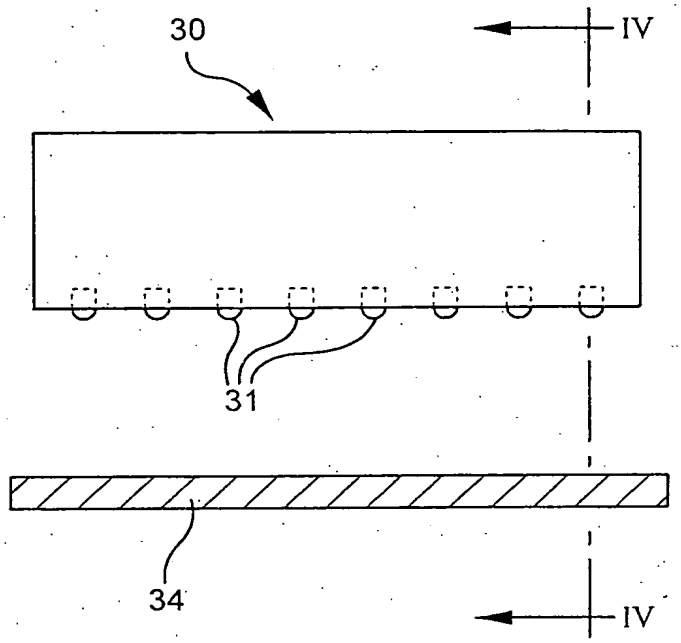


FIG. 3 (c)

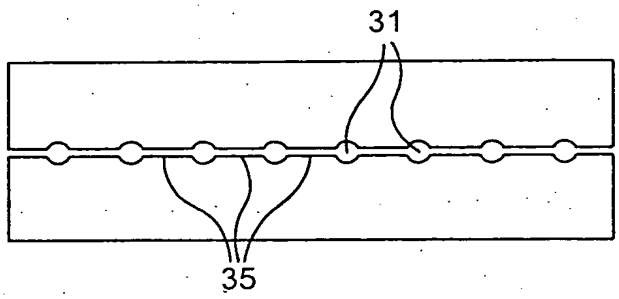


FIG. 4 SPUN MEMBRANE WITH 1 WT% KH_2PO_4

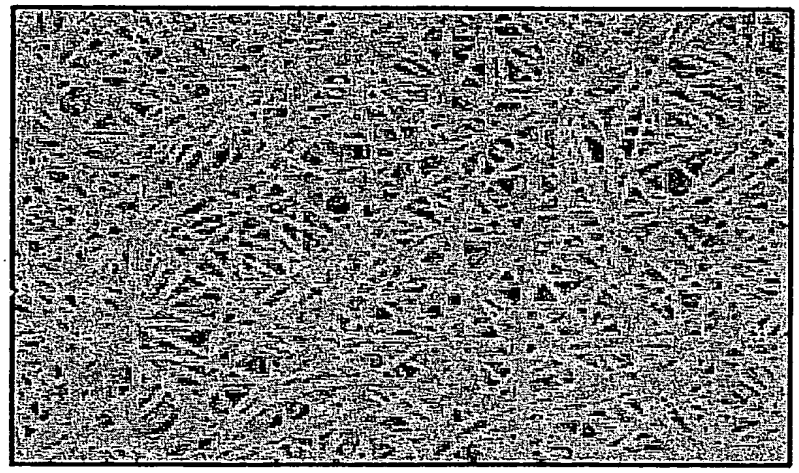
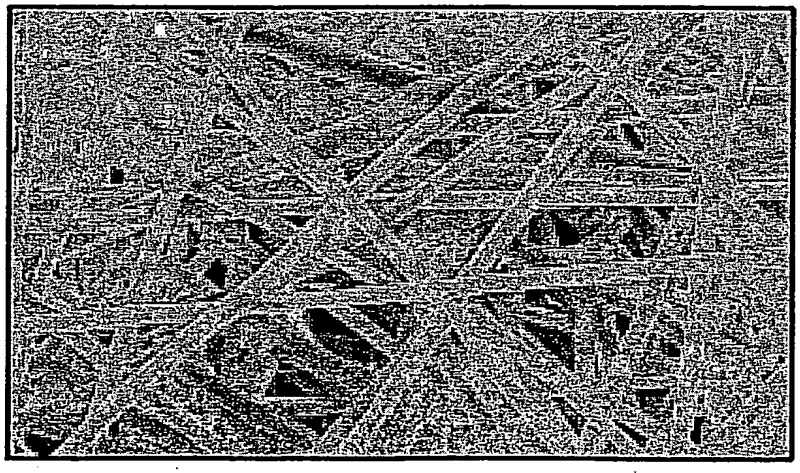


FIG. 5 SPUN MEMBRANE WITHOUT SALT



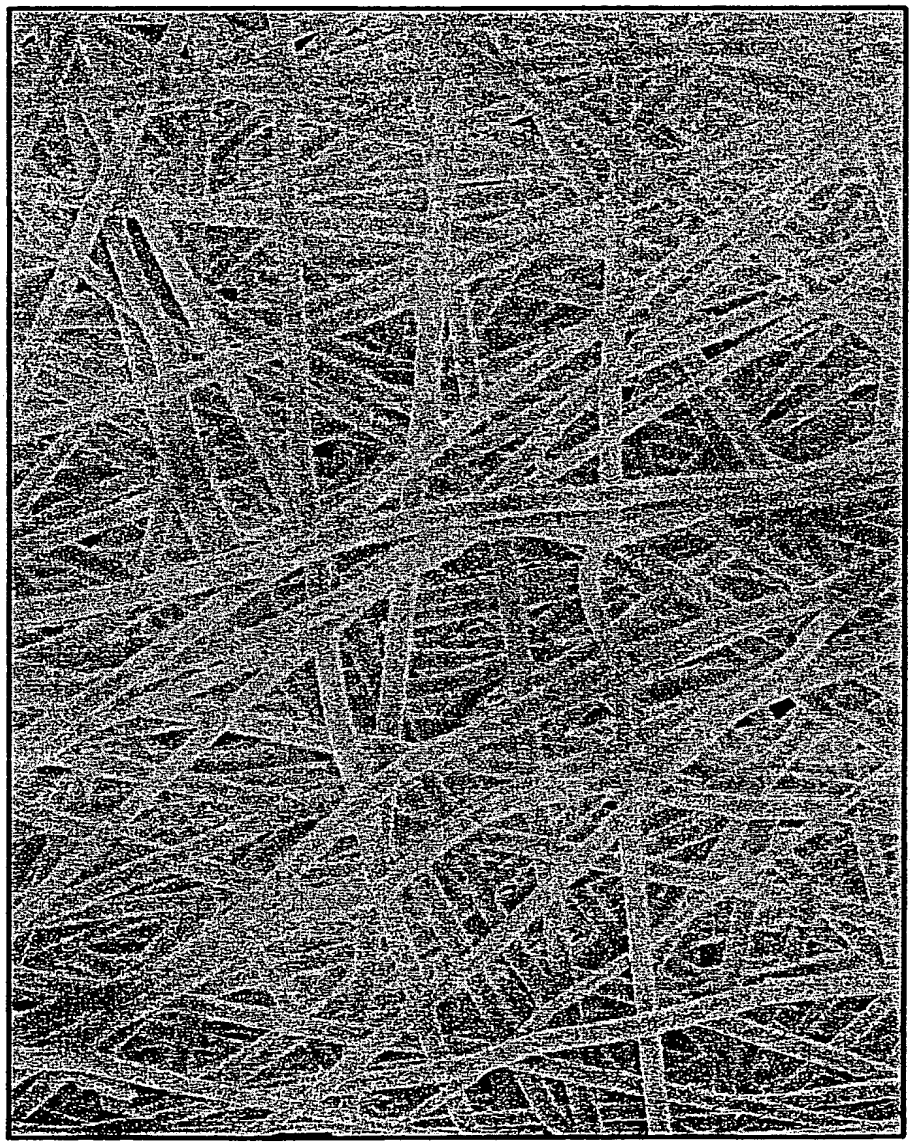


FIG. 6

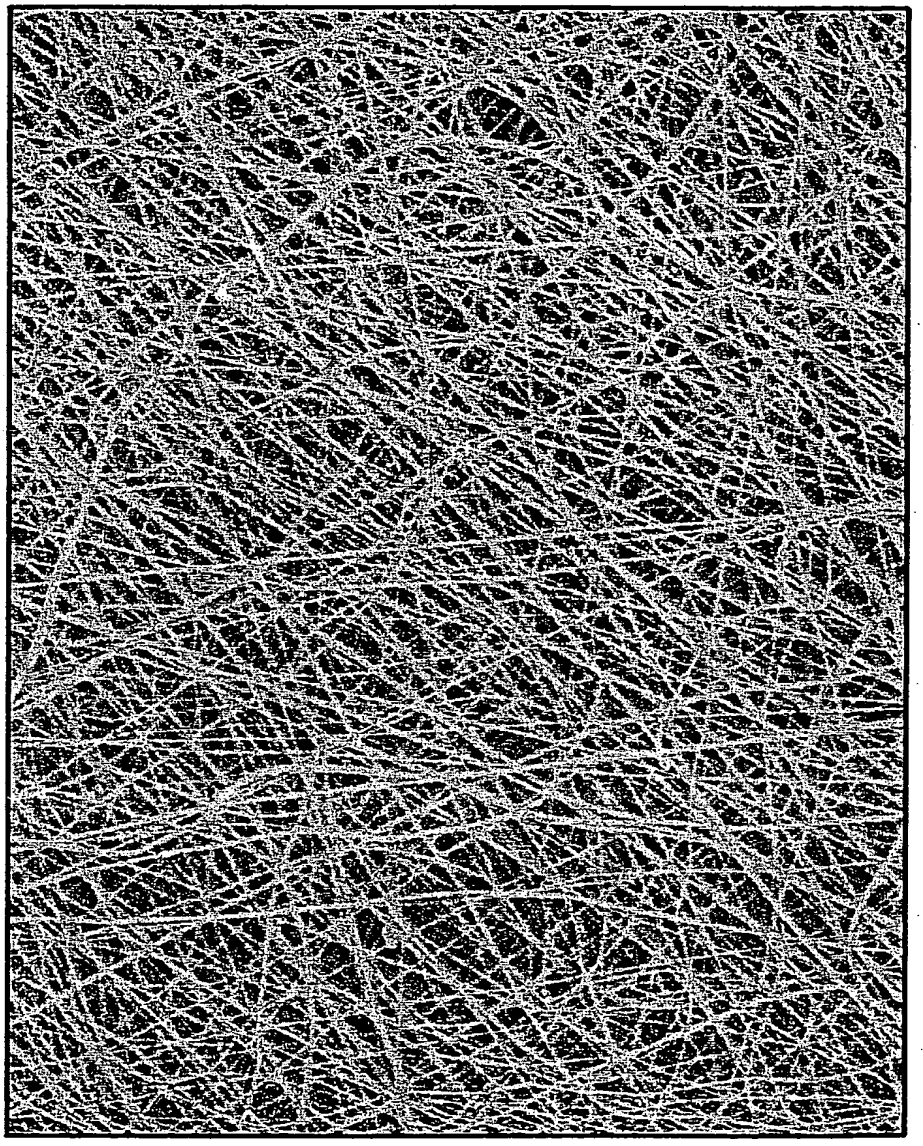


FIG. 7

FIG. 8 IN VITRO DRUG RELEASE PROFILE

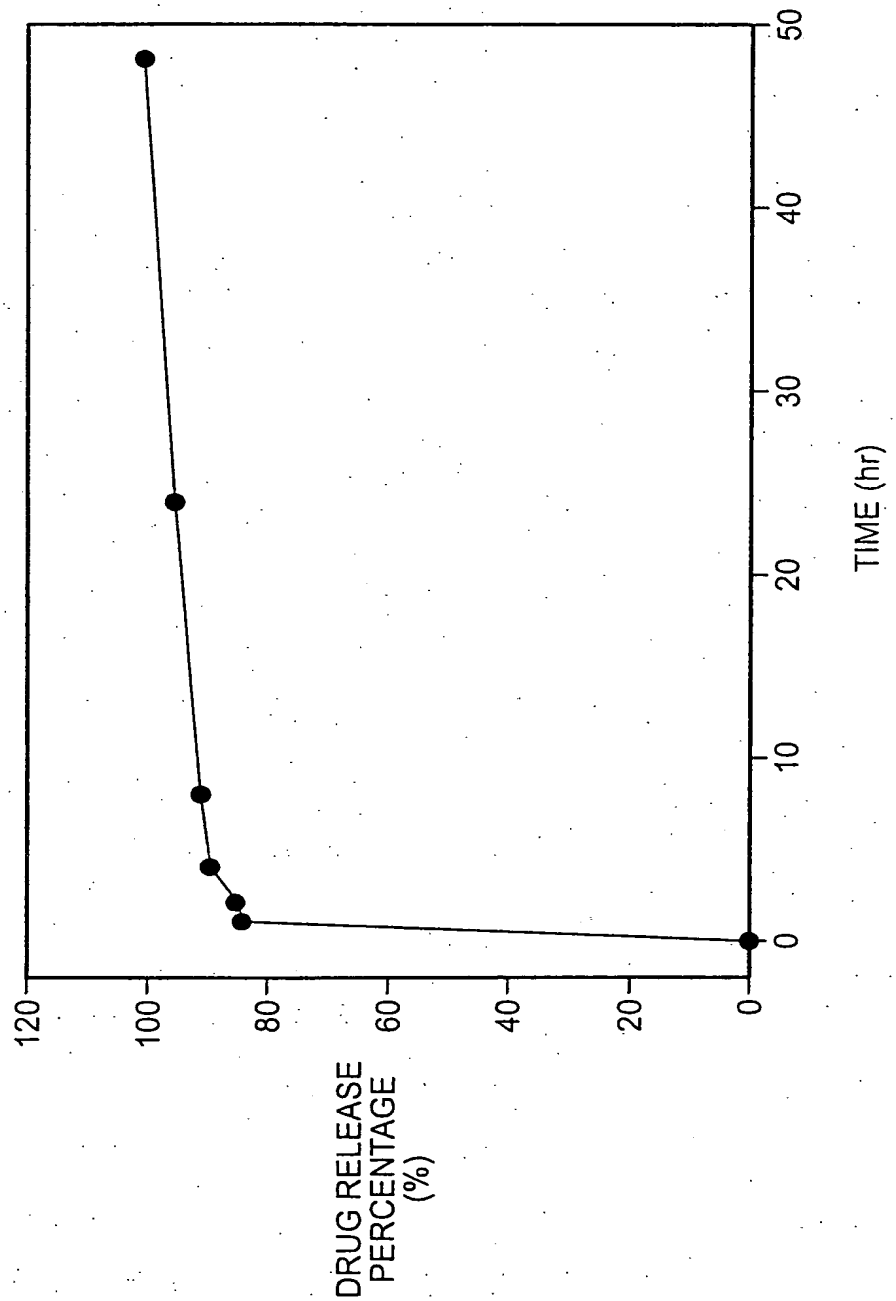


FIG. 9 SEM IMAGE OF ELECTROSPUN PLA MEMBRANE

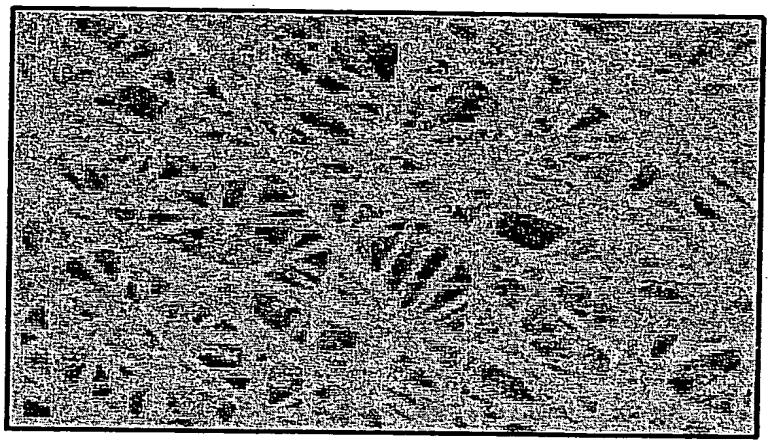
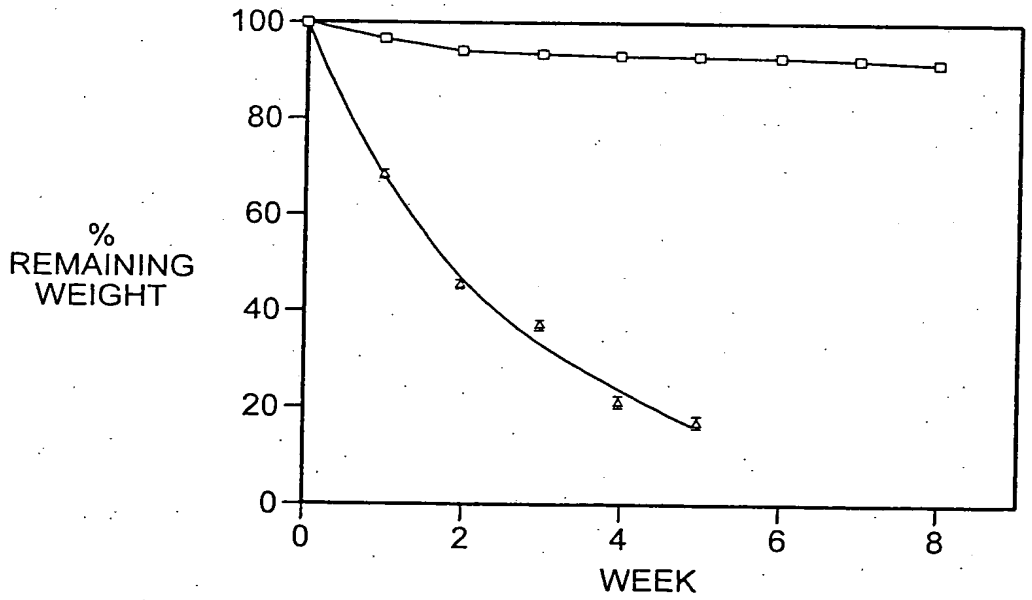


FIG. 10 BIODEGRADATION RATE OF ELECTROSPUN MEMBRANE



▵ AMORPHOUS PGA FILM
▫ P(DL)LA ELECTROSPUN FILM

FIG. 11 DUEL THICKNESS PLA MEMBRANE

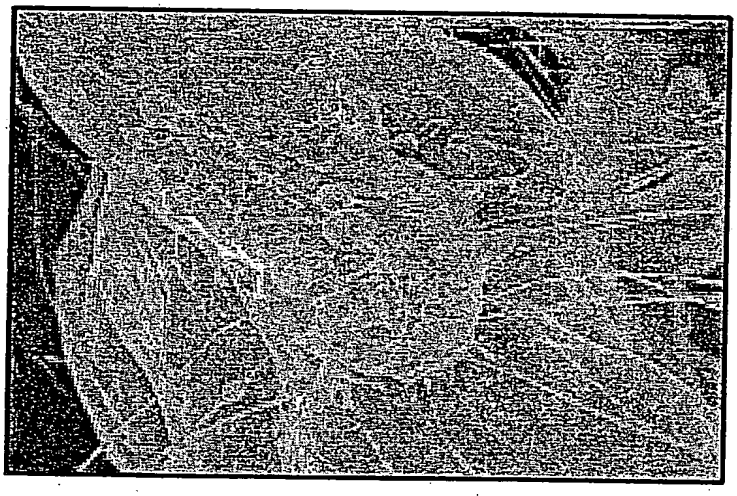


FIG. 12 MEMBRANE AFTER 1 WEEK OF DEGRADATION

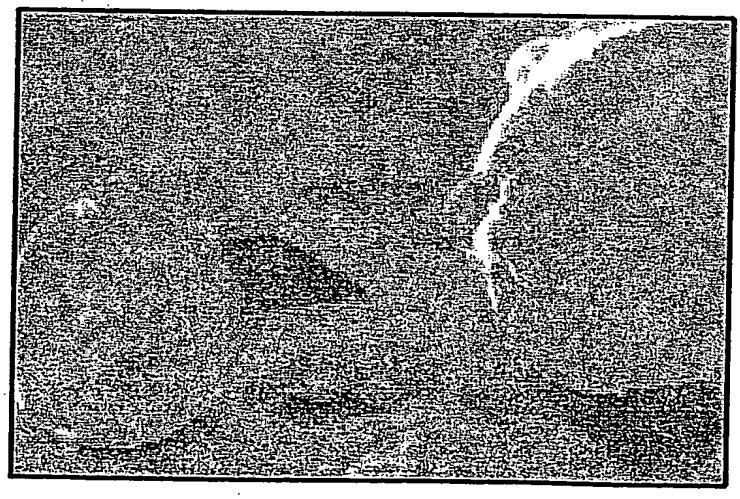


FIG. 13 INCIDENCE OF ADHESION

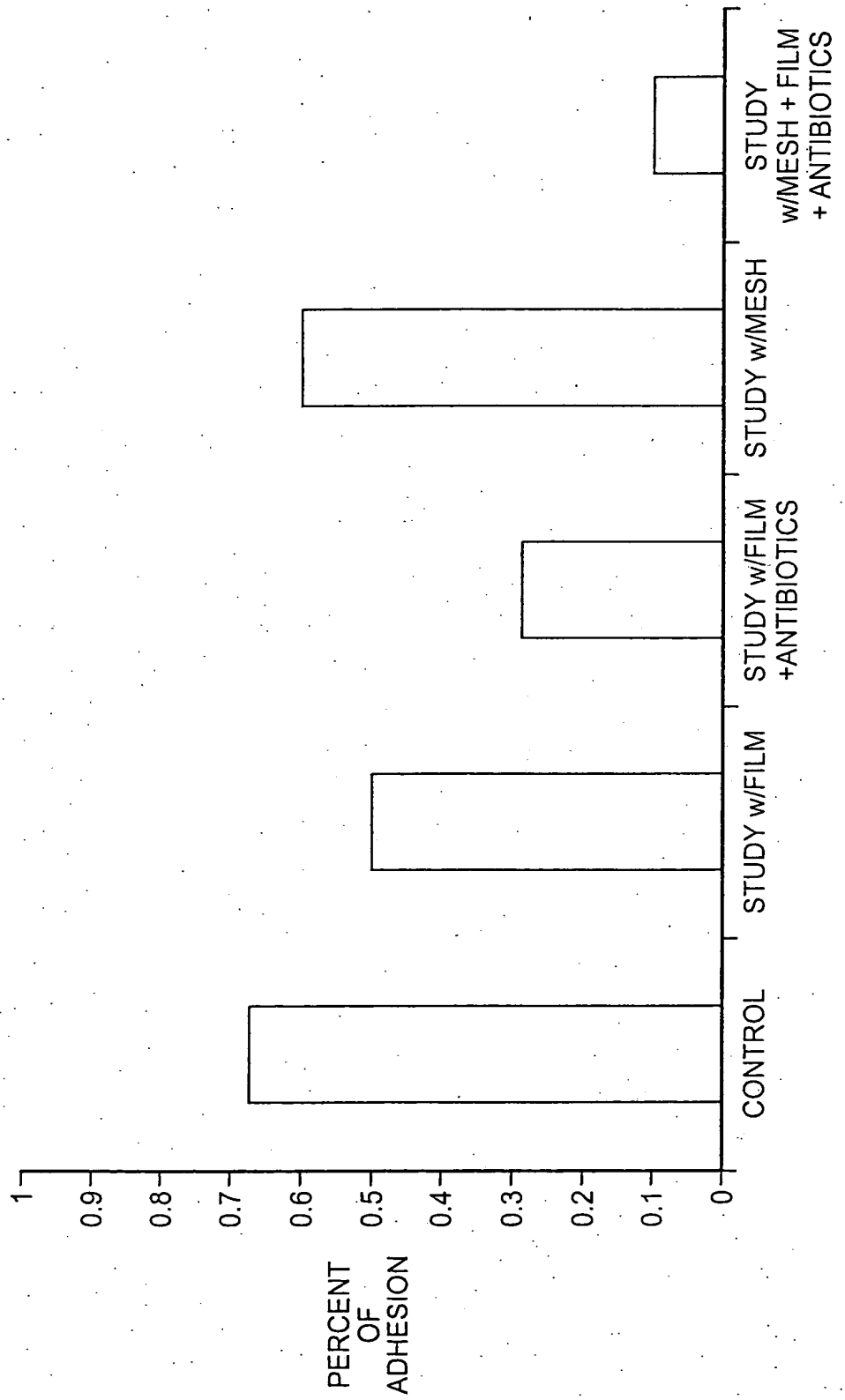


FIG. 14 CECAL ADHESION TENSION (N)

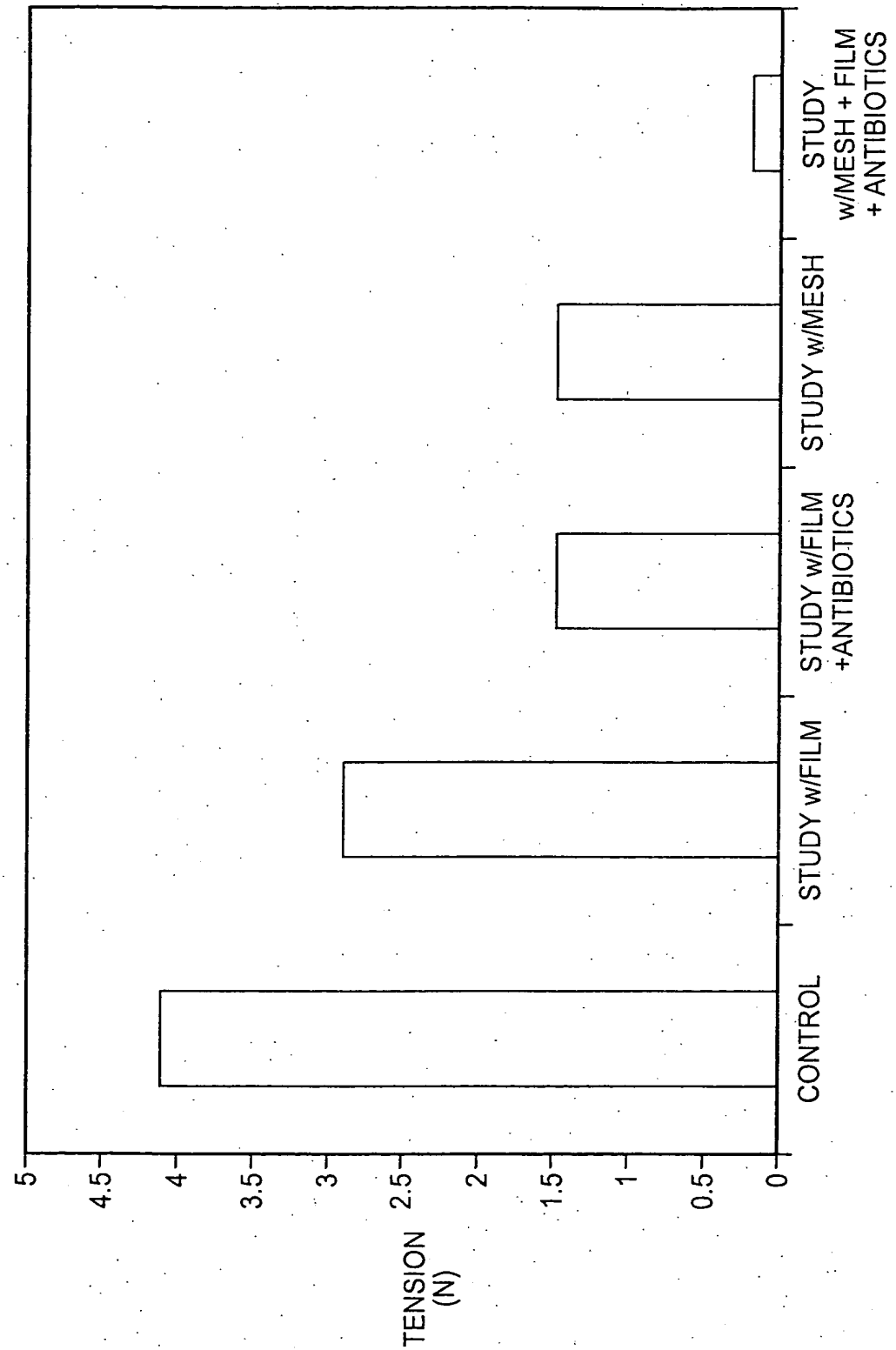


FIG. 15 ANTIBACTERIAL TEST RESULTS OF PLA MEMBRANE

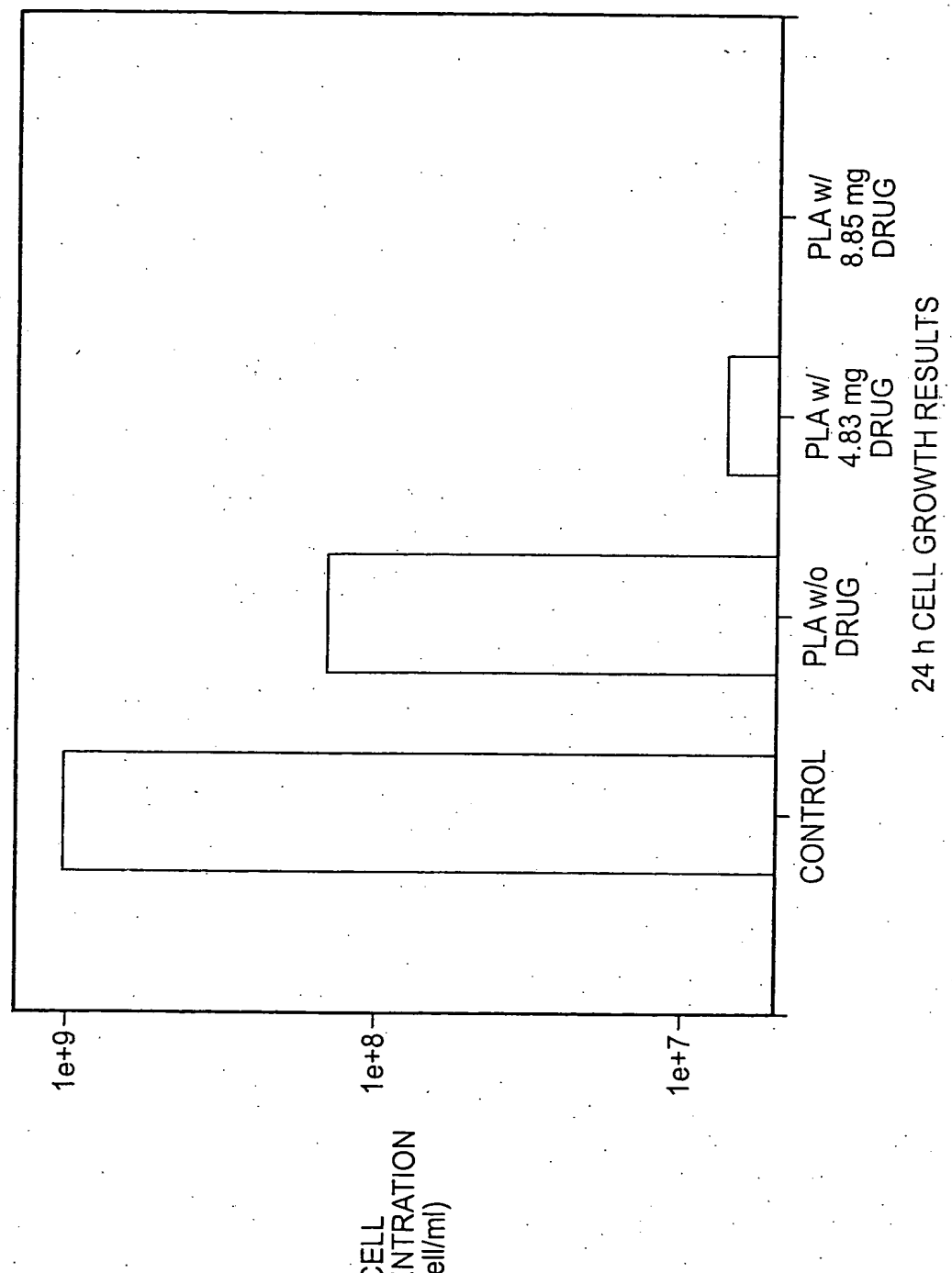


FIG. 16 SEM IMAGE OF AS-SPUN MEMBRANE

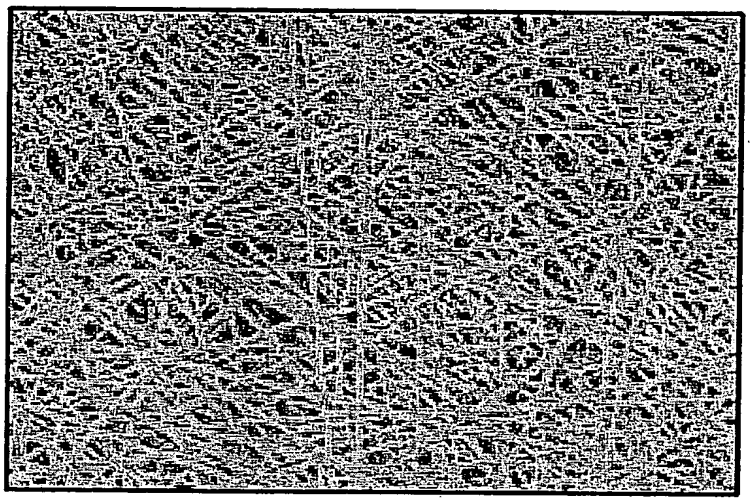


FIG. 17 *IN-VIVO* DEGRADATION AFTER A WEEK